

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/13716

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07C253/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 281636 A (FUJI PHOTO FILM CO LTD), 10 October 2000 (2000-10-10) abstract	1-15
A	TABATSKAYA A.A. ET AL.: "Reactions of 1-halo-4-nitroanthraquinones with C-nucleophiles" RUSSIAN JOURNAL OF ORGANIC CHEMISTRY., vol. 37, no. 3, 2001, pages 410-415, XP002276069 USCONSULTANTS BUREAU. see experimental (IX) and (VII)	1-15

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Date of the actual completion of the international search

6 April 2004

Date of mailing of the international search report

23/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/78712 A (NOVERTIS AG) 28 December 2000 (2000-12-28) cited in the application the whole document	1-15
A	PATENT ABSTRACTS OF JAPAN vol. 0100, no. 56 (C-331), 6 March 1986 (1986-03-06) & JP 60 197650 A (NITTO KASEI KK), 7 October 1985 (1985-10-07) cited in the application abstract	1-15
A	PATENT ABSTRACTS OF JAPAN vol. 0100, no. 67 (C-333), 15 March 1986 (1986-03-15) & JP 60 204753 A (NITTO KASEI KK), 16 October 1985 (1985-10-16) abstract	1-15
A	CRISTAU H J ET AL: "A novel and efficient arylation of malononitrile catalyzed by nickel(0) complexes" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 41, no. 44, 28 October 2000 (2000-10-28), pages 8457-8460, XP004236102 ISSN: 0040-4039 the whole document	1-15

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2000281636	A	10-10-2000	NONE	
WO 0078712	A	28-12-2000	AU 5682200 A	09-01-2001
			BR 0011700 A	05-03-2002
			CA 2368827 A1	28-12-2000
			CN 1355786 T	26-06-2002
			WO 0078712 A1	28-12-2000
			EP 1185506 A1	13-03-2002
			HU 0201486 A2	28-08-2002
			JP 2003502403 T	21-01-2003
			PL 352102 A1	28-07-2003
			ZA 200109838 A	01-07-2002
JP 60197650	A	07-10-1985	JP 1864520 C	08-08-1994
			JP 5068460 B	29-09-1993
JP 60204753	A	16-10-1985	NONE	